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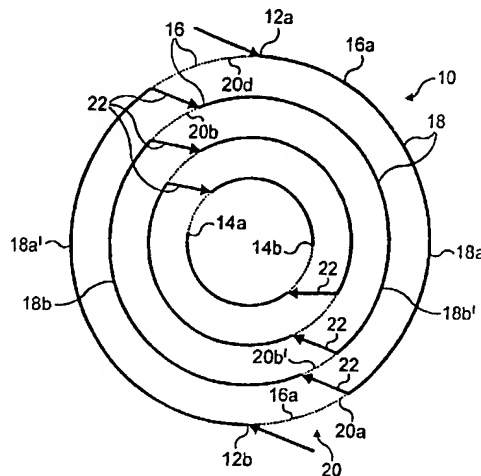
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(54) Title: A REGENERATIVE FLUID PUMP AND STATOR FOR THE SAME



(57) Abstract: A regenerative fluid pump (10) comprises a rotor having rotor blades for compressing fluid on two fluid flow paths, the first of which extends between a first pump inlet (12a) and a first pump outlet (14a), and a second of which extends between a second pump inlet (12b) and a second pump outlet (14b). The pump comprises a stator comprising a plurality of concentric channels (16), each of which comprises: a pumping channel portion (18) along which said rotor blades move for compressing said fluid between an inlet and an outlet of the pumping channel; and a stripper channel portion (20) (shown in broken lines) which allows movement of said rotor blades from said outlet to said inlet of the pumping channel portion. Each concentric channel (16) comprises two pumping channel portions (18) and two stripper channel portions (20).

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